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**Ruffa**

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(54) **DEVICE AND METHOD FOR PREVENTING SUPERHEATING OF LIQUIDS IN A MICROWAVE OVEN**

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(57) **ABSTRACT**

A safety device for reducing the likelihood of superheating a liquid includes a transducer disposed on a support surface proximate to a placed container containing a liquid. The transducer generates a vibrational force in the container and onto the liquid that creates nucleation within the liquid. The nucleation allows the liquid to boil, thus preventing the liquid from becoming superheated.

**3 Claims, 1 Drawing Sheet**

